

02160326 ENOREE RIVER AT PELHAM, SC

LOCATION.--Lat 34°51'23'', long 82°13'35'', Spartanburg County, Hydrologic Unit 03050108, near left bank, on downstream side of bridge on S.C. Highway 14, 0.5 mi downstream from Brushy Creek, at Pelham, and at mile 81.2.

DRAINAGE AREA.--84.2 mi<sup>2</sup>.

PERIOD OF RECORD.--March 1993 to current year.

GAGE.--Data collection platform. Elevation of gage is 730 ft above NGVD of 1929 (from topographic map).

REMARKS.--Records good except for estimated daily discharges, which are poor.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

| DAY   | OCT  | NOV  | DEC  | JAN  | FEB  | MAR   | APR  | MAY   | JUN  | JUL  | AUG  | SEP  |
|-------|------|------|------|------|------|-------|------|-------|------|------|------|------|
| 1     | 80   | 102  | 90   | 214  | 151  | 190   | 176  | 164   | 169  | 295  | 382  | 195  |
| 2     | 72   | 92   | 90   | 177  | 141  | 189   | 171  | 206   | 164  | 1450 | 1180 | 132  |
| 3     | 69   | 86   | 95   | 219  | 134  | 166   | 167  | 178   | 328  | 592  | 413  | 139  |
| 4     | 65   | 84   | e95  | 171  | 209  | 156   | 161  | 157   | 436  | 267  | 307  | 131  |
| 5     | 61   | 186  | e700 | 157  | 168  | 156   | 224  | 180   | 229  | 203  | 614  | 147  |
| 6     | 59   | 344  | e550 | 151  | 155  | 551   | 212  | 841   | 247  | 193  | 435  | 115  |
| 7     | 58   | e170 | e300 | 146  | 279  | 341   | 810  | 1020  | 702  | 189  | 1160 | 110  |
| 8     | 57   | e125 | e200 | 146  | 181  | 222   | 558  | 381   | 509  | 237  | 551  | 109  |
| 9     | 56   | 111  | e175 | 144  | 158  | 187   | 474  | 250   | 276  | 183  | 252  | 106  |
| 10    | 60   | 104  | e160 | 142  | 170  | 168   | 639  | 206   | 210  | 173  | 216  | 102  |
| 11    | 60   | 243  | e400 | 136  | 149  | 170   | 580  | 185   | 200  | 174  | 193  | 99   |
| 12    | 57   | 329  | e300 | 136  | 141  | 170   | 328  | 173   | 202  | 207  | 168  | 99   |
| 13    | 129  | 207  | 452  | 134  | 135  | 163   | 260  | 156   | 373  | 173  | 155  | 97   |
| 14    | 98   | e148 | e400 | 136  | 138  | 146   | 224  | 155   | 210  | 183  | 148  | 96   |
| 15    | 584  | e130 | e275 | 135  | 148  | 156   | 209  | 155   | 193  | 283  | 147  | 99   |
| 16    | 1370 | 324  | 196  | 132  | 198  | 289   | 216  | 164   | 238  | 209  | 148  | 98   |
| 17    | 602  | e330 | 166  | 140  | 266  | 192   | 245  | 208   | 238  | 172  | 150  | 93   |
| 18    | 200  | e180 | 153  | 132  | 206  | 244   | 492  | 187   | 202  | 171  | 216  | 91   |
| 19    | 142  | e150 | 147  | 129  | 178  | 374   | 252  | 178   | 397  | 169  | 231  | 89   |
| 20    | 116  | e140 | 587  | 130  | 170  | 3340  | 213  | 152   | 251  | 151  | 149  | 87   |
| 21    | 109  | 127  | 348  | 132  | 157  | 1900  | 273  | 156   | 186  | 308  | 176  | 85   |
| 22    | 102  | e120 | 214  | 135  | 537  | 439   | 247  | 1970  | 170  | 250  | 149  | 162  |
| 23    | 98   | e115 | 183  | 136  | 624  | 292   | 196  | 1960  | 161  | 207  | 134  | 502  |
| 24    | 95   | 109  | 676  | 127  | 261  | 242   | e182 | 503   | 157  | 197  | 127  | 153  |
| 25    | 97   | e107 | 732  | 125  | 198  | 213   | e186 | 305   | 153  | 159  | 125  | 117  |
| 26    | 102  | e105 | 297  | 126  | 188  | 199   | 275  | 231   | 150  | 139  | 121  | 107  |
| 27    | 95   | 100  | 224  | 124  | 305  | 189   | 199  | 209   | 148  | 151  | 116  | 103  |
| 28    | 121  | 94   | 195  | 123  | 239  | 182   | 176  | 196   | 151  | 151  | 111  | 111  |
| 29    | 163  | 93   | 178  | 136  | ---  | 180   | 167  | 192   | 154  | 148  | 111  | 93   |
| 30    | 149  | 95   | 165  | 296  | ---  | 288   | 163  | 183   | 149  | 301  | 107  | 90   |
| 31    | 114  | ---  | 161  | 185  | ---  | 204   | ---  | 180   | ---  | 928  | 114  | ---  |
| TOTAL | 5240 | 4650 | 8904 | 4652 | 5984 | 11898 | 8675 | 11381 | 7353 | 8613 | 8606 | 3757 |
| MEAN  | 169  | 155  | 287  | 150  | 214  | 384   | 289  | 367   | 245  | 278  | 278  | 125  |
| MAX   | 1370 | 344  | 732  | 296  | 624  | 3340  | 810  | 1970  | 702  | 1450 | 1180 | 502  |
| MIN   | 56   | 84   | 90   | 123  | 134  | 146   | 161  | 152   | 148  | 139  | 107  | 85   |
| CFSM  | 2.01 | 1.84 | 3.41 | 1.78 | 2.54 | 4.56  | 3.43 | 4.36  | 2.91 | 3.30 | 3.30 | 1.49 |
| IN.   | 2.32 | 2.05 | 3.93 | 2.06 | 2.64 | 5.26  | 3.83 | 5.03  | 3.25 | 3.81 | 3.80 | 1.66 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2003, BY WATER YEAR (WY)

|      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| MEAN | 119  | 119  | 150  | 201  | 209  | 224  | 188  | 159  | 124  | 113  | 153  | 96.2 |
| MAX  | 226  | 252  | 287  | 367  | 387  | 384  | 323  | 367  | 245  | 278  | 529  | 162  |
| (WY) | 1996 | 1996 | 2003 | 1998 | 1998 | 2003 | 1998 | 2003 | 2003 | 2003 | 1995 | 2002 |
| MIN  | 33.6 | 62.5 | 82.4 | 105  | 95.7 | 113  | 86.6 | 62.9 | 44.7 | 54.3 | 37.9 | 46.7 |
| (WY) | 2001 | 2002 | 2002 | 2001 | 2001 | 1999 | 2002 | 2001 | 2002 | 2000 | 1999 | 1999 |

SANTEE RIVER BASIN

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| SUMMARY STATISTICS       | FOR 2002 CALENDAR YEAR |        | FOR 2003 WATER YEAR |        | WATER YEARS 1993 - 2003 |               |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|---------------|
| ANNUAL TOTAL             | 45366                  |        | 89713               |        | 155                     |               |
| ANNUAL MEAN              | 124                    |        | 246                 |        | 246                     |               |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 2003                    |               |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 85.5                    |               |
| HIGHEST DAILY MEAN       | 1370                   | Sep 15 | 3340                | Mar 20 | 8500                    | Aug 27 1995   |
| LOWEST DAILY MEAN        | 20                     | Aug 12 | 56                  | Oct 9  | 16                      | a Sep 18 1999 |
| ANNUAL SEVEN-DAY MINIMUM | 22                     | Aug 8  | 58                  | Oct 6  | 19                      | Sep 14 1999   |
| MAXIMUM PEAK FLOW        |                        |        | 4230                | Mar 20 | b 11300                 | Aug 27 1995   |
| MAXIMUM PEAK STAGE       |                        |        | 14.50               | Mar 20 | c 22.98                 | Aug 27 1995   |
| ANNUAL RUNOFF (CFSM)     | 1.48                   |        | 2.92                |        | 1.84                    |               |
| ANNUAL RUNOFF (INCHES)   | 20.04                  |        | 39.64               |        | 24.94                   |               |
| 10 PERCENT EXCEEDS       | 237                    |        | 437                 |        | 259                     |               |
| 50 PERCENT EXCEEDS       | 86                     |        | 171                 |        | 107                     |               |
| 90 PERCENT EXCEEDS       | 33                     |        | 98                  |        | 47                      |               |

- a Also occurred Sep. 19, 1999.
- b From rating curve extended above 3000 ft<sup>3</sup>/s on basis of contracted-opening and flow-over-road measurement of peak flow.
- c From floodmarks.
- e Estimated

